

Updated 11/16/15

BMC Emerging Infectious Disease (EID) Precautions in Patient Isolation Unit (PIU)

Roles and responsibilities

Three EMT's will be assigned to each patient.

EMT 1 will perform direct patient care.

EMT 2 or **"buddy"** will serve as an assistance of clinical care if needed and as an extra observer during donning and doffing. The buddy will not have direct patient contact unless needed for a particular patient care activity or if needed to assist with the doffing of grossly contaminated PPE.

EMT 3 will remain with the ambulance and will be available to monitor the integrity of PPE during donning, and especially doffing. EMT 3 will record vitals of the EMT's who have entered the home or NEIDL and complete the BMC PIU entry log. EMT 3 will be available for radio communications and to drive the ambulance.

Donning Your PPE

Prepare to deploy - Prior to deployment to the home or NEIDL for an ill patient

<input type="checkbox"/>	Report to the BMC PIU Site Manager. The Site Manager will confirm you have completed training, provide a copy of the BMC PIU entry log, and assist with access to the PPE.
<input type="checkbox"/>	Gather your PPE. One, appropriate sized, PPE Go Bag. Check the Go Bag to ensure it contains: Bouffant head cover, an impervious coverall suit, foot covers, two plastic aprons, and 1 XL coverall to put the patient in. The site manager will assist you to gather the correct size non-sterile long nitrile gloves (1 pair), correct size surgical gloves (1pair), a MaxAir PAPR with hood, battery pack, and belt. All PPE should be counted. You should have a total of 11.
<input type="checkbox"/>	Change out of your uniform and put on paper scrubs, socks, and crocs provided. Remove all jewelry, ID's, pens, scissors, etc.
<input type="checkbox"/>	Secure your belongings in the PIU until your return.
<input type="checkbox"/>	Hydrate enroute to the home or NEIDL

Don your PPE - prior to entering the home or NEIDL

<input type="checkbox"/>	The EMT 3 will record vital signs for the EMT's entering the home or NEIDL and will complete the BMC PIU entry log documentation.
<input type="checkbox"/>	Clean your hands with hand sanitizer.
<input type="checkbox"/>	Put on a bonnet head covering

<input type="checkbox"/>	Put on your first set of gloves (the correct size, long nitrile gloves).
<input type="checkbox"/>	Place the PAPR belt around your waist & clip your PAPR battery pack to the belt. Make sure the battery is on the left front of your body to make it easier to plug in the helmet. Wrap extra belt completely and securely around your waist
<input type="checkbox"/>	Put on your coverall. Ensure that your thumb is inserted into the elastic thumb support. Make sure your heels are all the way into the foot of the coverall. Roll up the hood inside your collar.
<input type="checkbox"/>	Put on your foot covers. Take care to tuck any extra suit material around your feet into the booties
<input type="checkbox"/>	Plug In - Plug the PAPR helmet cord into the PAPR battery pack at your waist (this will turn on the air). Check that the light on the front of the helmet turns green indicating a fully charged battery.
<input type="checkbox"/>	Put On - Place the PAPR helmet and hood on your head. Turn the knob at the back of the unit to ensure that the helmet fits snugly on your head. Move your head back and forth and up and down to test the helmet fit. Tighten the knob at the back of the unit to ensure the helmet cannot be moved freely on your head. If your helmet is too loose it may shift position while you are bending, moving, or during doffing.
<input type="checkbox"/>	Zip Up - Tuck in the cord of the PAPR and Zip up your coveralls
<input type="checkbox"/>	Tie Up - Tie the hood ties around your neck in a loose bow on the front of the hood.
<input type="checkbox"/>	<p>Your buddy will assist you to don your plastic apron.</p> <ul style="list-style-type: none"> € Gently expand the opening for your head and carefully pull the apron over your PAPR helmet. € Put your arms into the sleeves of apron making sure to place the thumb of your gloved hand into the thumb hole on the apron sleeve. € Your buddy will crisscross the apron ties through the slots on the back of the apron neck and tie the apron behind you using a loose bow. € Ensure that the hood ties are tucked under the apron
<input type="checkbox"/>	Your buddy will help you put on your second pair of gloves (surgical gloves). Grasp the cuff of the suit and apron in a fist while your buddy pulls your glove over your fist. Open your hand and place fingers into the appropriate areas of the glove.
<input type="checkbox"/>	The EMT 3 will inspect your PPE front, sides, and back to ensure full coverage and fix any gaps found prior to you entering the home or NEIDL.
<input type="checkbox"/>	You are now ready to enter the home or NEIDL.
<input type="checkbox"/>	The EMT 3 will complete the BMC PIU entry log.

PAPR Specifications:

There are three speeds to the PAPR fan. Adjust the switch the desired speed (high recommended for prolonged use). Status indicator lights for your PAPR battery and filter will appear above the visor of your face shield.

Green - Fully charged and ready for use (8 hours of battery life).

Yellow - Warning that you will soon need to recharge the battery or change

the filter

Red - Do not use. Give the unit to the Site manager and don a different unit.

Doff Your PPE

Doffing begins in the tent and is completed in the PIU ante room.

Doffing steps in the tent

<input type="checkbox"/>	After transferring the patient to the BMC PIU team inside the tent, remove the dirty linen from the EMS stretcher and discard it in the red bag waste. Place the EMS stretcher back in the ambulance. Leave the doors open.
<input type="checkbox"/>	Remove your outer gloves and discard in the red bag waste. Put on another pair of gloves.
	Close the doors to the ambulance.
<input type="checkbox"/>	Return to the tent. Take your time, move slowly and purposefully while removing your PPE.
<input type="checkbox"/>	Step onto the doffing chemical pad inside the tent on the dirty side near the line of demarcation.
<input type="checkbox"/>	Clean your outer gloves utilizing automatic hand sanitizer dispenser.
<input type="checkbox"/>	Remove your booties and place them in the dedicated red bag container.
<input type="checkbox"/>	Clean your outer gloves with hand sanitizer again.
<input type="checkbox"/>	Grasp your apron close to the shoulders and pull forward away from your body breaking the ties in the back as you pull. Take care that the apron does not touch the floor and moving slowly, remove the plastic apron by rolling it inside out as you progress down your arms to your wrist and PAUSE there.
<input type="checkbox"/>	Making a fist, slowly and carefully remove the outer gloves with the apron and discard them in the red bag waste.
<input type="checkbox"/>	Clean your inner gloves with the hand sanitizer.
<input type="checkbox"/>	Remove your coveralls <ul style="list-style-type: none">€ Carefully reach under the PAPR hood with one hand, open the zipper flap on the front of your coverall, and pull down the zipper.€ Grasp the coverall at the shoulders. Touching only the outside of the suit, shimmy your shoulders out of the suit and slowly pull the suit off your arms.€ With your feet, step on the foot section of the coverall and use a marching motion to move the coverall down your legs.€ Pick up coveralls slowly, touching the inside only and discard in red waste container next to the doffing area in the ante room.
<input type="checkbox"/>	Clean inner gloves with hand sanitizer
<input type="checkbox"/>	Step out to the doffing chemical mat on the clean side of the demarcation line.
<input type="checkbox"/>	Remove your PAPR Hood <ul style="list-style-type: none">€ Untie the hood carefully with one hand€ Grasp both sides of the hood at your temples and unsnap the hood from the PAPR helmet.

	<p>€ Grasp and pinch the face shield of the hood. Pull forward to release the hood from the helmet pin</p> <p>€ Grasp the top of the hood and rock the hood backwards first then pull forward removing the hood in one motion.</p>
<input type="checkbox"/>	Discard the hood in the red bag waste.
<input type="checkbox"/>	Clean inner gloves with hand sanitizer
<input type="checkbox"/>	Using the beaking method, remove inner gloves. Discard into the red bag waste.
<input type="checkbox"/>	Clean your hands with hand sanitizer
	The Site Manager will remove your PAPR helmet, belt, and battery and return it to the PIU.
<input type="checkbox"/>	Step off the doffing mat and await an escort by Public Safety to the PIU. Proceed directly to the sink in the PIU anteroom and perform hand hygiene.
<input type="checkbox"/>	Wear your CROCS when you shower. Don clean cloth scrubs provided in the room.
<input type="checkbox"/>	The Site Manager will log you out of the room.
<input type="checkbox"/>	The shift supervisor will take your vitals after you exit the unit. Instructions will be given to you regarding the requirements for health surveillance.
<input type="checkbox"/>	Hydrate and rest.
<input type="checkbox"/>	Collect your belongings and return to work or home